

Title (en)

IMPROVED METHOD AND APPARATUS FOR MEASURING CELL-BY-CELL HEMOGLOBIN

Title (de)

VERBESSERTES VERFAHREN UND GERÄT ZUR MESSUNG VON HÄMOGLOBIN ZELLE FÜR ZELLE

Title (fr)

PROCEDE AMELIORE ET APPAREIL POUR LA MESURE D'HEMOGLOBINE SUR UNE BASE DE CELLULE INDIVIDUELLE

Publication

EP 1695077 A4 20080305 (EN)

Application

EP 04812604 A 20041201

Priority

- US 2004040130 W 20041201
- US 74145803 A 20031219

Abstract (en)

[origin: US2005134833A1] An apparatus and method for directly determining the hemoglobin content (CH) of individual sphered red blood cells and for directly determining the width of the cell hemoglobin distribution of a red blood cell sample. Such apparatus and method monitors the light reflected by individual sphered cells as they are made to pass through an optical flow cell while being irradiated by a suitable source of radiation.

IPC 8 full level

G01N 33/48 (2006.01); **G01N 15/14** (2006.01); **G01N 33/72** (2006.01); **G01N 15/00** (2006.01)

CPC (source: EP US)

G01N 15/1459 (2013.01 - EP US); **G01N 33/721** (2013.01 - EP US); **G01N 33/726** (2013.01 - EP US); **G01N 2015/012** (2024.01 - EP US)

Citation (search report)

- [XDY] US 5194909 A 19930316 - TYCKO DANIEL H [US]
- [XDY] WO 0049385 A2 20000824 - COULTER INT CORP [US]
- [Y] WO 9306773 A2 19930415 - MEDTRONIC INC [US]
- [XY] WO 0058727 A1 20001005 - BAYER AG [US]
- [PX] WO 2004019031 A1 20040304 - COULTER INT CORP [US]
- See references of WO 2005065102A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

US 2005134833 A1 20050623; **US 7095492 B2 20060822**; EP 1695077 A2 20060830; EP 1695077 A4 20080305; JP 2007514955 A 20070607; WO 2005065102 A2 20050721; WO 2005065102 A3 20050901

DOCDB simple family (application)

US 74145803 A 20031219; EP 04812604 A 20041201; JP 2006545694 A 20041201; US 2004040130 W 20041201